

Fig 2B

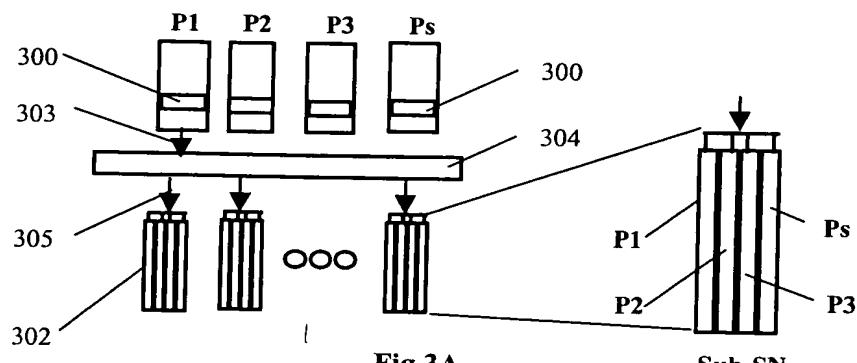


Fig 3A

Sub-SN

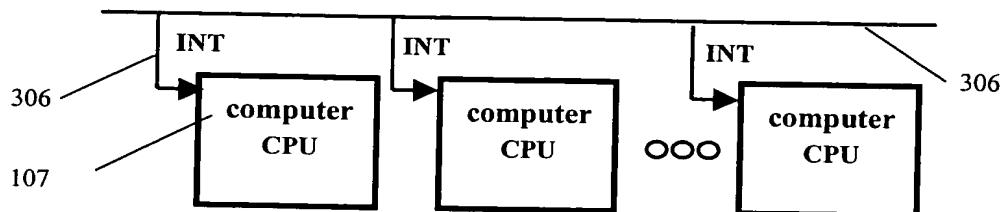


Fig 3B

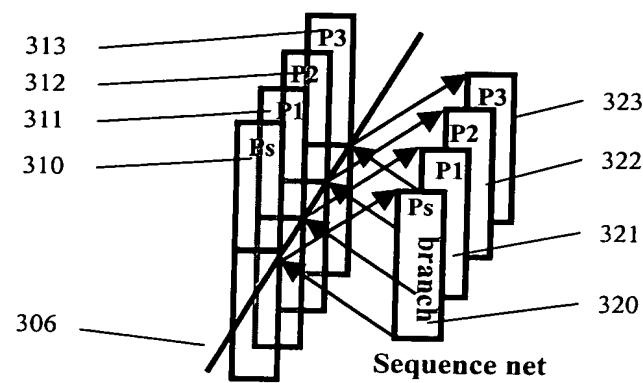


Fig 3C

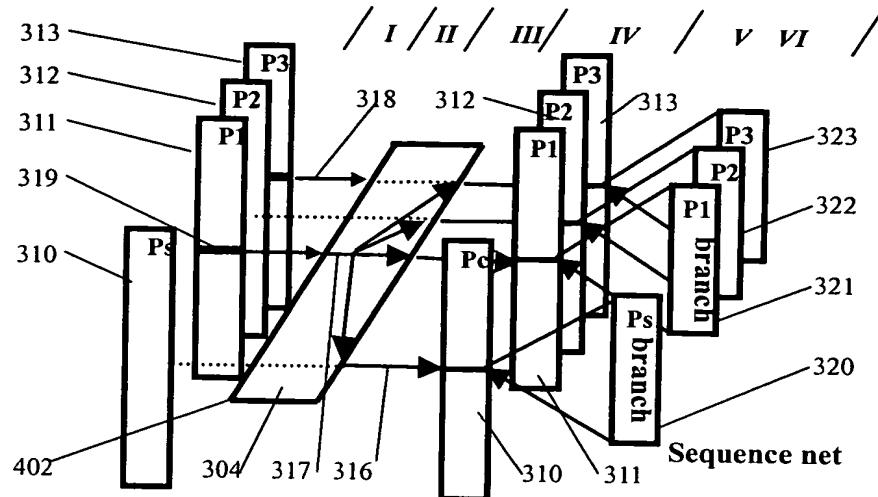


Fig. 3D

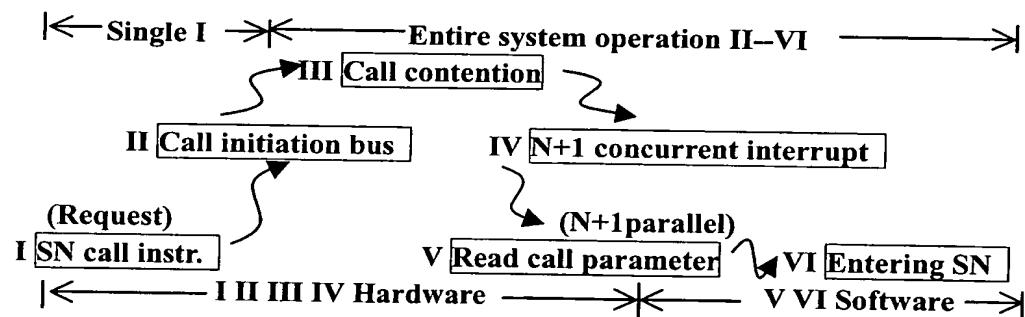


Fig. 3E

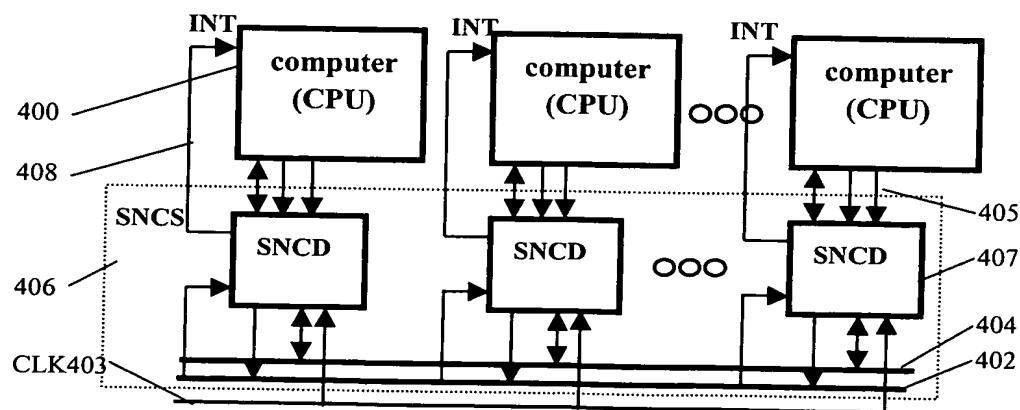


Fig. 4A

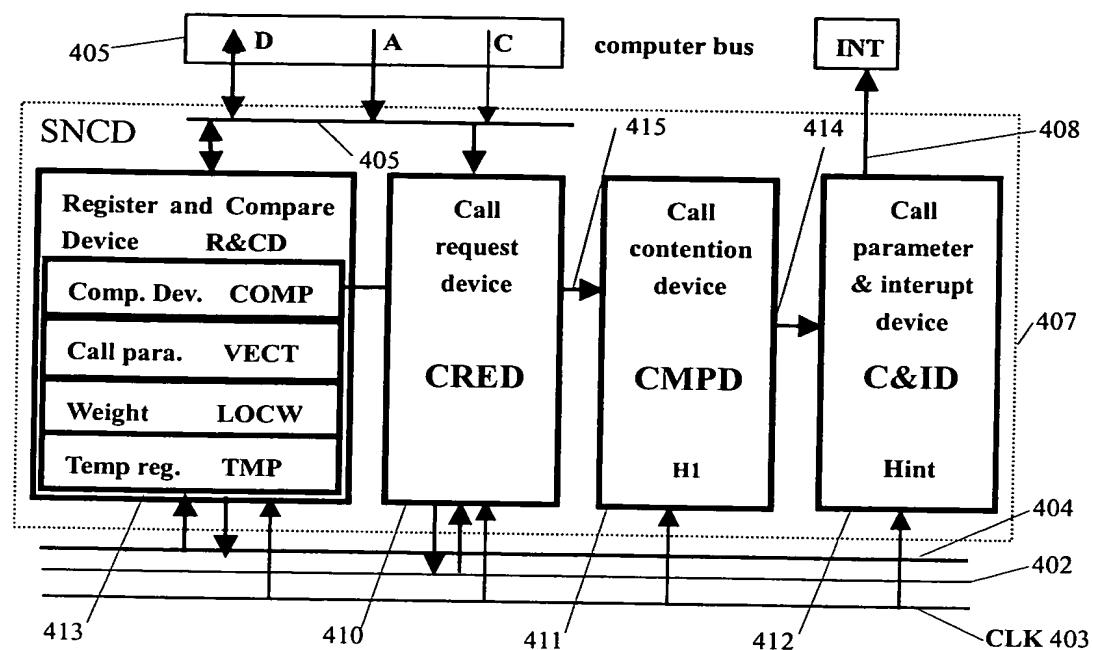


Fig.4B

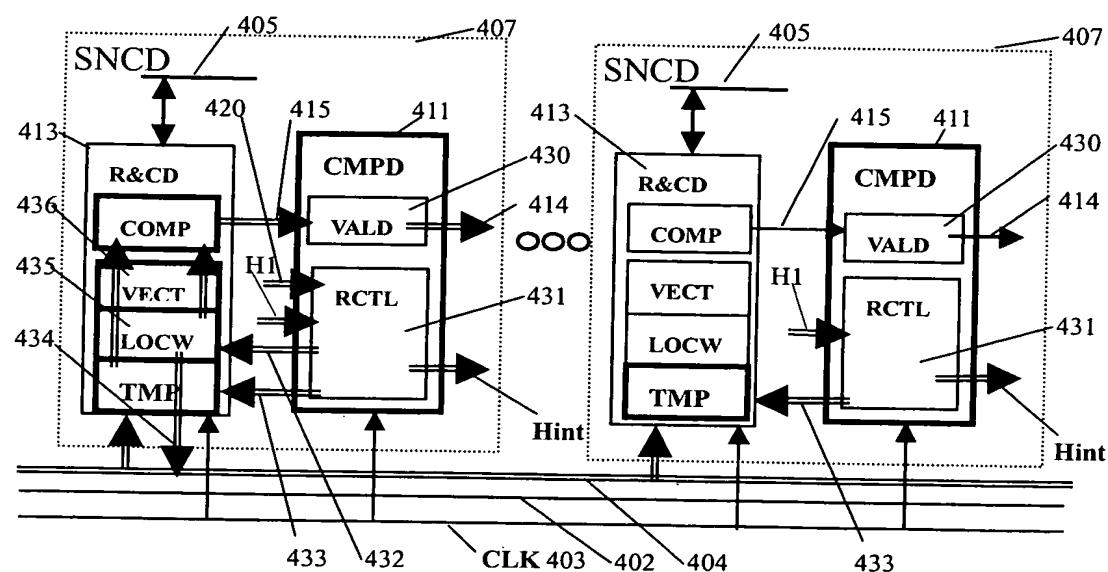


Fig.4E

In sequence net call, the operations of SNCDs at clock Hi

I	II		III		IV	
	H0		H1		Hint	
	1	0	1	0	1	0
SNCD receives sequence net call instruction level to bus 402 It is the request machine	sending initiation level to bus 402	checkin g level from bus 402 for initiatio n of entire system	send weigh t of this machi ne to data bus	Read weight of entire system from data bus. Entering into temp. register, Compare with weight of this machine. HVBOR of temp. register is equal to weight of this machine, the call is valid.	Call of this SNCD is valid. Call parameter send to data bus.	Read data bus, enter in temp. register. Send interrupt level to computer connected with SNCD.
ditto	ditto	ditto	send weigh t of this machi ne to data bus	Read weight of entire system from data bus. Entering into temp. register, Compare with weight of this machine. HVBOR of temp. register is higher than weight of this machine, the call is invalid.	Call of this SNCD is invalid. Send 0000 to data bus.	ditto
Not request machine	no operation	ditto	send 0000 to data bus	Read weight of entire system from data bus, Entering into temp. register. No call request, no comparison.	Send 0000 to data bus.	ditto

Fig.4C

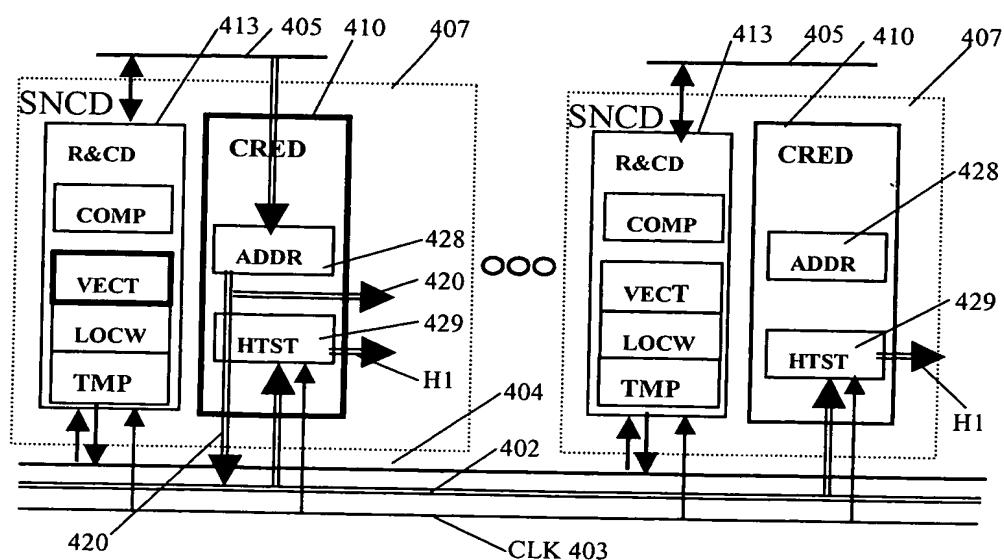
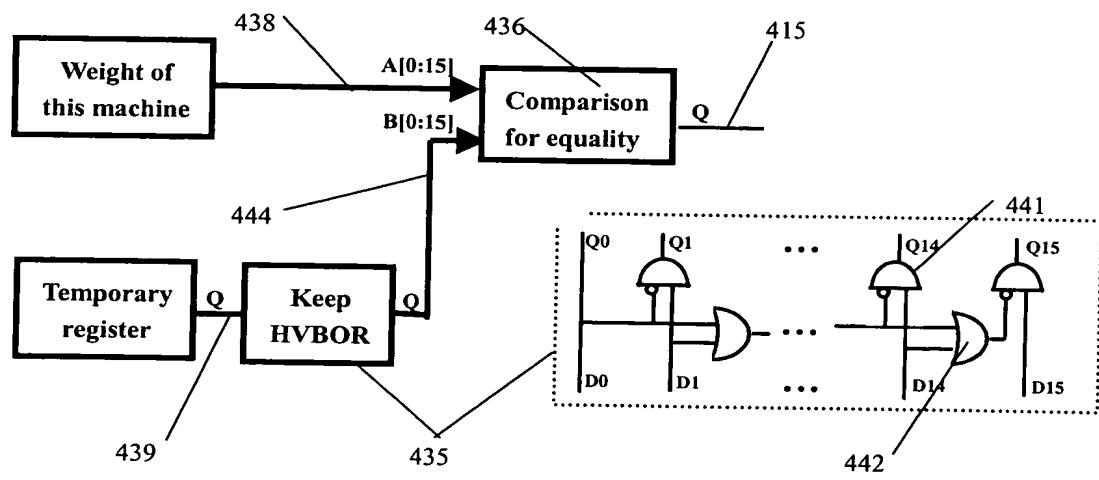
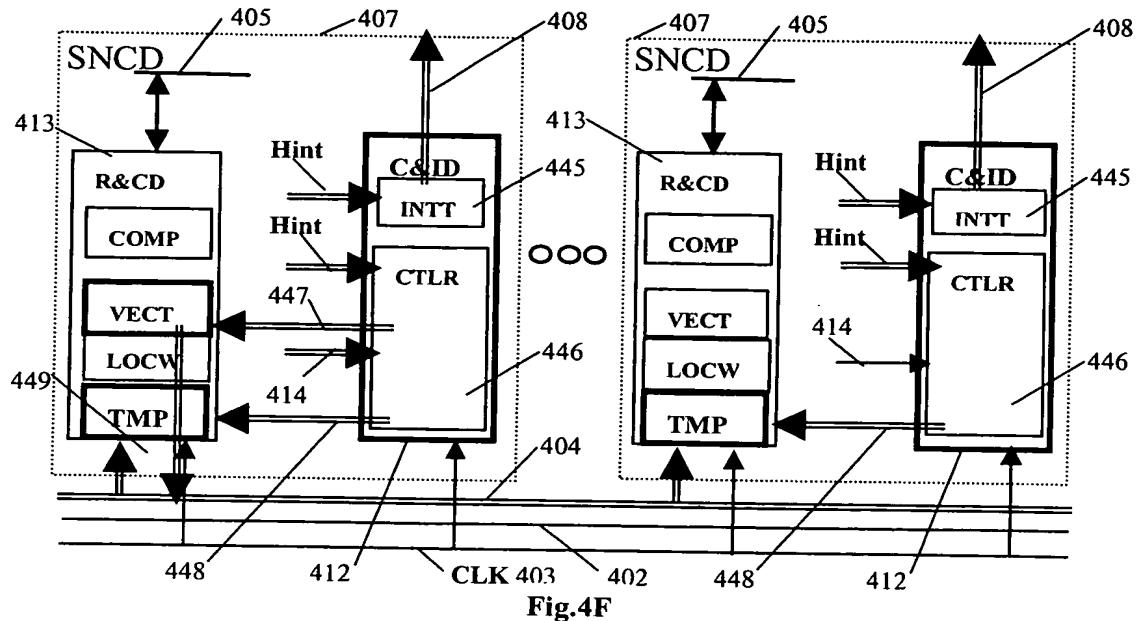


Fig.4D



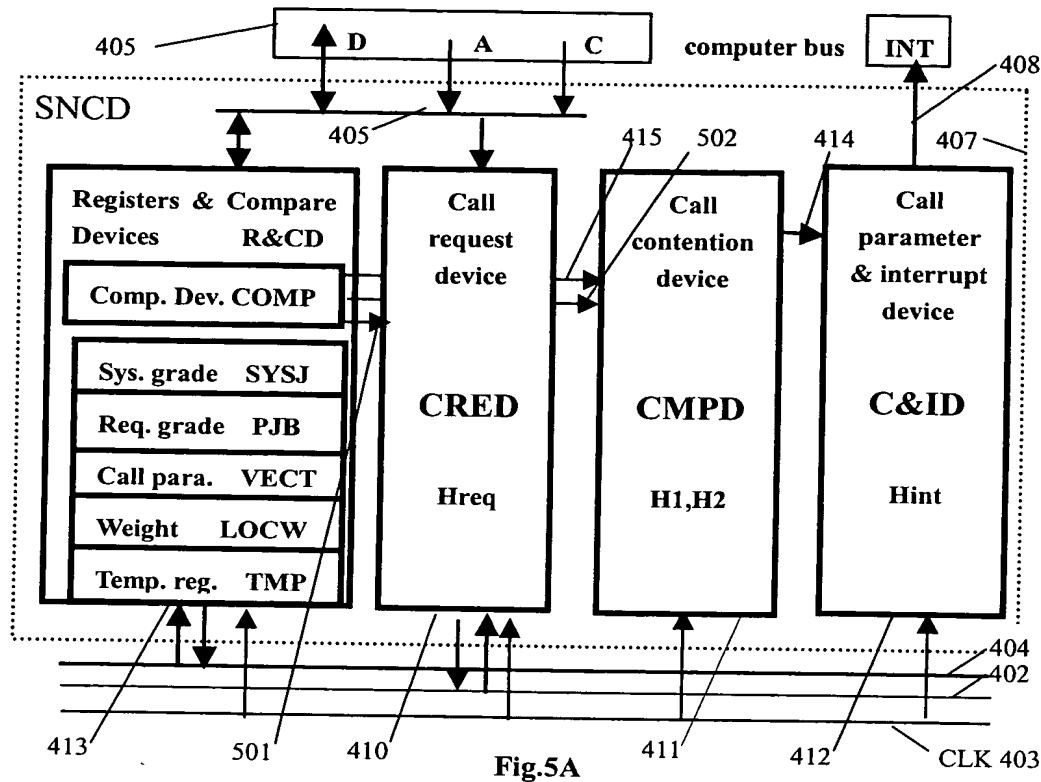


Fig.5A

In grade call of sequence net, the operations of SNCDs at clock H

	I		II		III				IV	
	Hreq		H0		H1		H2		Hint	
	1	0	1	0	1	0	1	0	1	0
SNC D recei ves sequ ence net grad e call instr uctio n of requ est mac hine	Reque st grade greate r than syste m grad e requ st valid	I ni ti at syst em gra v el to b u s 4 0 2	Ch eck ti at io n le v el on 402 , at b u s 4 0 2	Se nd req uest tati on lev el on dat a lea din g edg e	Read request grade of entire system from data bus. Send to temp register. Compare with request grade of this machine. The HVBOR are equal. Call valid.	Read request grade of entire system from data bus. Send to temp register. Compare with request grade of this machine. The HVBOR are equal. Call valid.	Send weight of this machine to data bus. Write the HVBOR of tempora ry register into system grade register	Send weight of entire system from data bus. Send to temp. register. Compare with weight of this machine. The HVBOR are equal. Call valid.	SNC D valid . Send call para mete r to data bus	Read data bus and send to temp . regist er. Send inter rupt level to comp uter

10/5/20469

ditto	Request grade greater than system grade, request valid	ditto	ditto	Send request grade to data bus	Read request call of entire system from data bus into temp. register. Compare with request grade of this machine. The HVBOR are equal. Call valid.	Send weight of this machine to data bus. Write the HVBOR of temp. register into system grade register	Read weight of entire system from data bus into temp. register. Compare with weight of machine. Weight of this machine is low. Call invalid	send 0000 to data bus	ditto
ditto	Request grade greater than system grade, request valid	ditto	ditto	Send request grade to data bus	Read call request of entire system from data bus into temp. register. Compare with request grade of this machine. The HVBOR are not equal. Call invalid.	Send 0000 to data bus. Write the HVBOR of temp. register into system grade register.	Read the weight of entire system into temp. register. Already in status of invalid call. No further comparison to be made	ditto	ditto
ditto	Request grade smaller than system grade, request invalid	No operation	ditto	Send 0000 to data bus	Read request call of entire system from data bus. Send to temporary register.	ditto	ditto	ditto	ditto
SNC D is not request machine	No operation	ditto	ditto	ditto	ditto	ditto	ditto	ditto	ditto

Fig.5B

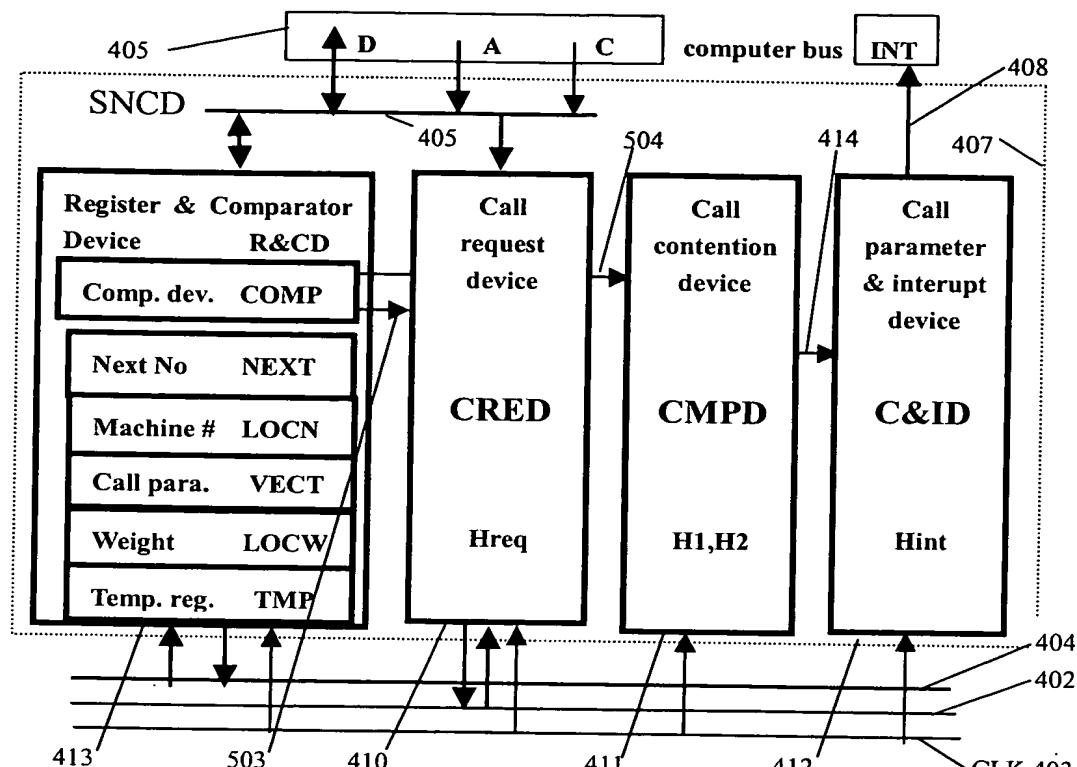


Fig.5C

In sequence call of sequence net, operations of SNCDs at clock H

I		II		III			IV		
	Hreq	H0		H1		H2	Hint		
	1	0	1	0	1	0	1	0	
SNCD receive sequence net sequence call instruction, it is request machine	Number of machine equal to number of NEXT, Call valid	Send init iation lev el to bus 402	check for initiat ion level of entire syste m on 402	Seq uen ce call, sen d 000 0 to data bus	Read Sequence features of entire system from data bus, Send 0000 to temp. register. Temp. register are zero. Type of sequence call	No ope rati on	SNC D valid Send call para mete r to data bus	Read data bus. Send to temp. register. Send interrupt level to computer connected to SNCD.	
SNCD receive sequence net sequence call instruction, it is request machine	Number of this machine not equal to NEXT, Call invalid	No ope rati on	Ditto	No seq uen ce call, sen d 000 0 to data bus	ditto	No ope rati on	SNC D inval id, send 0000 to data bus	Ditto	
SNCD is not request machine	No operati on	ditt o	Ditto	Ditt o	ditto	No ope rati on	Ditto	Ditto	

Fig.5D